

ABSTRACT OF THE DISCLOSURE

System for refilling a fuel cell wherein the system includes a fuel cell having at least one variable volume chamber, a cartridge having at least one variable volume chamber, and a valve system which regulates or controls fluid flow between the cartridge and fuel cell and vice versa. A method of refilling a fuel cell provides for connecting the cartridge to the fuel cell and transferring fuel and electrolyte from the cartridge to the fuel cell. This Abstract is not intended to define the invention disclosed in the specification, nor intended to limit the scope of the invention in any way.